Amendments to the claims:

This listing of the claims will replace all prior versions and listings of the claims in the application:

Listing of Claims:

1. (Currently amended) ~~Apparatus~~ An apparatus for manipulating a target object in an in-cell region of a vitrification plant, comprising:

a base securable to a trolley; and

a hydraulic arm mounted on ~~said~~ the base arranged for being controlled remotely by a user located outside ~~said~~ the in-cell region; wherein

~~said~~ the arm includes, at an end distal from ~~said~~ the base, a tool coupling arranged to receive a tool for performing work on ~~said~~ the target object.

2. (Currently amended) The apparatus as claimed in claim 1 wherein ~~said~~ the in-cell region includes a melter trolley, arranged to receive a canister into which a melt, formed during a vitrification process, is poured, and a plurality of connectors which are arranged for providing cooling fluid from a fluid source external to ~~said~~ the in-cell region to an induction furnace located in the in-cell region.

3. (Currently amended) The apparatus as claimed in claim 1 ~~or 2~~ wherein ~~said~~ the hydraulic arm is arranged to have three degrees of movement.

4. (Currently amended) The apparatus as claimed in claim 1~~, 2 or 3~~ further comprising:

a hydraulic power pack for raising and lowering ~~said~~ the arm with respect to ~~said~~ the base and including hydraulic fluid.

5. (Currently amended) The apparatus as claimed in claim 4 wherein ~~said~~ the hydraulic fluid is water.

6. (Currently amended) The apparatus as claimed in claim 2 wherein ~~said~~ the target object comprises a portion of one of ~~said~~ the connectors, each of ~~said~~ the connectors comprising a through wall connection connecting ~~said~~ the fluid source to an in-cell location through a protective wall.

7. (Currently amended) The apparatus as claimed in claim 6 wherein ~~said~~ the portion comprises a portion of ~~said~~ the connector between an in-cell surface of ~~said~~ the protective wall and ~~said~~ the location.

8. (Currently amended) The apparatus as claimed in ~~any one of claims 1 to 7~~ claim 1 further comprising:

a plurality of clamp devices each being controllable remotely to secure the base to an in-cell slewing ring of the melter trolley.

9. (Currently amended) The apparatus as claimed in ~~any one of claims 1 to 8 wherein said~~ claim 1 wherein the tool comprises any one of a clamp, vacuum nozzle, reciprocating saw and/or chisel.

10. (Currently Amended) A chisel tool arranged for securing to ~~the~~ a tool coupling of an apparatus for manipulating a target object in an in-cell region of a vitrification plant, the apparatus comprising a base securable to a trolley; and a hydraulic arm mounted on the base arranged for being controlled remotely by a user located outside the in-cell region; wherein the arm includes the tool coupling at an end distal from the base, the chisel tool ~~the apparatus claimed in any one of claims 1 to 8, and~~ comprising:

a drive unit arranged to receive a chisel bit and to drive a chisel so received in a reciprocating motion;

a support including securing means for securing the drive unit to the support; and

a coupling member arranged to engage with the tool coupling of ~~said~~ the apparatus for manipulating a target object to thereby hold ~~said~~ the chisel tool in a predetermined fixed relationship with respect of ~~said~~ the arm.

11. (Currently amended) The chisel tool as claimed in claim 10 further comprising:

a lifting member located on ~~said~~ the support for providing a means by which ~~said~~ the chisel tool can be located proximate to ~~said~~ the apparatus and thereafter coupled to ~~said~~ the apparatus.

12. (Currently amended) A saw tool arranged for securing to the tool coupling of an apparatus for manipulating a target object in an in-cell region of a vitrification plant, the apparatus comprising a base securable to a trolley; and a hydraulic arm mounted on the base arranged for being controlled remotely by a user located outside the in-cell region; wherein the arm includes the tool coupling at an end distal from the base, the saw tool ~~the apparatus as claimed in any one claims 1 to 8, and~~ comprising:

a drive unit arranged to receive a saw blade member and to drive a saw blade member so received in a reciprocating motion;

a support including securing means for securing the drive unit to the support; and

a coupling member arranged to engage with the tool coupling of the apparatus for manipulating a target object to thereby hold ~~said~~ the saw tool in a predetermined fixed relationship with respect to ~~said~~ the arm.

13. (Currently amended) The saw tool as claimed in claim 12 further comprising:

a lifting member located on ~~said~~ the support for providing a means by which ~~said~~ the saw tool may be located proximate to ~~said~~ the apparatus and thereafter coupled to ~~said~~ the apparatus.

14. (Currently amended) A holding tool arranged for securing to the tool coupling of an apparatus for manipulating a target object in an in-cell region of a vitrification plant, the

apparatus comprising a base securable to a trolley; and a hydraulic arm mounted on the base arranged for being controlled remotely by a user located outside the in-cell region; wherein the arm includes the tool coupling at an end distal from the base, the holding tool ~~the apparatus as claimed in any one of claims 1 to 8 further~~ comprising:

means for lifting arranged to be advanced under and engage with a lower surface of ~~said~~ the target object and for lifting ~~said~~ the target object when an arm of the apparatus for manipulating a target object to which ~~said~~ the holding tool is coupled is raised; and

a support back plate having a lower edge from which ~~said~~ the means for lifting extends at a substantially perpendicular angle.

15. (Currently amended) The holding tool as claimed in claim 14 further comprising:

a rest member extending upwardly from ~~said~~ the means for lifting and angled backwardly with respect to ~~said~~ the means for lifting whereby as a target object is lifted a portion of ~~said~~ the target object engages with a region of ~~said~~ the rest member and rocks backwardly about this point and away from ~~said~~ the lifting member until the target object is supported by ~~said~~ the rest member.

16. (Currently amended) The holding tool as claimed in claim 15 further comprising:

a locking mechanism including a locking finger which is arranged to lock a target object at a predetermined ~~located~~ location when ~~said~~ the target object is supported by ~~said~~ the rest member.

17.-18. (Canceled).